The PET home computer by Commodore is a creature of many faces, only a few of which you will see on the next page.

As many faces as you see, the PET has even more. Its applications are limited only by the user's needs.

As a personal computer, the PET can teach languages and mathematics; play games; create graphic designs; answer the telephone, log calls, and dial numbers; store meal recipes and change number of portions; maintain budgets, personal records and checkbooks; operate appliances and temperature controls.

As a management tool, it delivers the information the executive needs, in the form he can use, and available to him alone. Management strategies become realities as virtually unlimited numbers of "what-ifs" are analyzed and evaluated in order to insure the best possible projections and forecasts. Trend analyses, charts and graphs can be almost instantly available.

The professional may use the PET for maintaining appointment schedules, recording income and expenditures and filing all the specialized information and forms he may need to make his work more efficient—from medical records for a doctor to income tax computations for an accountant.

The engineer, mathematician, physicist has a tool far superior to the very best programmable calculators yet developed . . . at a cost that is actually less . . . and with almost infinitely greater versatility.

And the businessman has a computer that can maintain inventories, keep payroll records, operate accounts payable and receivable, issue checks, handle correspondence.

The PET is a computer. But a very different computer from any you have ever seen before. The PET is a personal computer; it stands for Personal Electronic Transactor. It is very compact, measuring just 16.5" wide by 18.5" deep and 14" high, and quite portable; it can be carried and used anywhere. It operates on ordinary current available in any office, home or factory.

The PET has a television screen, a keyboard as simple to use as a typewriter and a self-contained cassette recorder which is the source for programs and for storing data in connection with these programs. And it has, in its standard configuration, a 4K (4000 byte) user memory or, as an option, an 8K user memory. (This is in addition to the 14K operating system resident in the computer.)

"Quite portable, very affordable and unbelievably versatile, the PET computer may very well be a lifetime investment"

Although the Pet is built to the highest standard in the industry, it may perhaps require service in its lifetime. You'll find the PET surprisingly easy to service. Modular components, standard TV circuitry and a basic cassette assure that a TV serviceman with PET product knowledge will be able to render satisfactory service. Moreover, the self-diagnosing computer board will tell the serviceman if it needs replacement. And Commodore will maintain a network of its own and Authorized Dealer service centers.

Because the PET is a personal computer, it uses BASIC language, the easiest to learn and simplest to program. So simple that any competent person, even those who have never used a computer, should learn—just with the aid of the instruction book which accompanies the PET—to develop programs within a very few hours. Because of the widespread use of BASIC, a large number of programs are already available from the thousands of computer time-sharing services throughout the world and from the libraries of computer manufacturers.

The PET has a Machine Language monitor in addition to BASIC so that a sophisticated user may program the microcomputer itself. (There also will be Machine programs that Commodore will make available from time to time.)

The Commodore PET. So simple to learn and to use. Yet the PET can also boast of Advanced Screen Editing—a feature comparable to instant word-processing and found only on a few of the larger, more sophisticated computers.

This is at the heart of the PET: It is a wonderfully simple device to master; really as easy to use as a good calculator. Yet it has the power and versatility of the most advanced computers.

The PET is surprisingly inexpensive, as a personal computer should be. The PET is a product of Commodore, a company that has developed through the years a reputation for value and innovation in calculators.

Quite portable, very affordable and unbelievably versatile, the PET computer may very well be a lifetime investment.

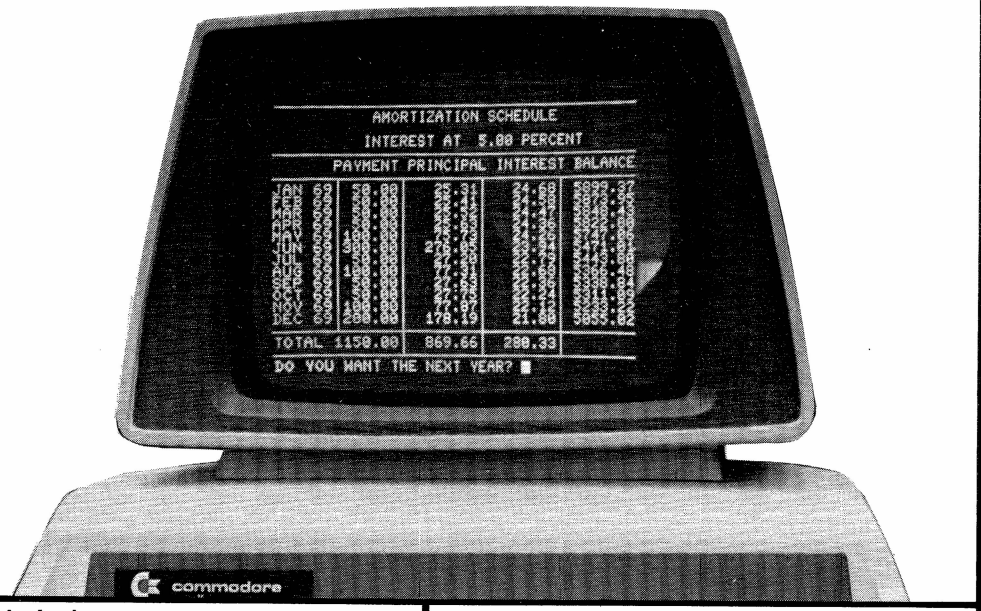
Additional programs, additional memory boards, a telephone interface system, a printer, an IEEE interface and a floppy disc drive are among the components that are being made available to those users who may perceive a need.

A second cassette is available through a built-in interface. This allows true file-keeping and places the PET as a true and conventional electronic data processing system equivalent to just about any large commercial computer.

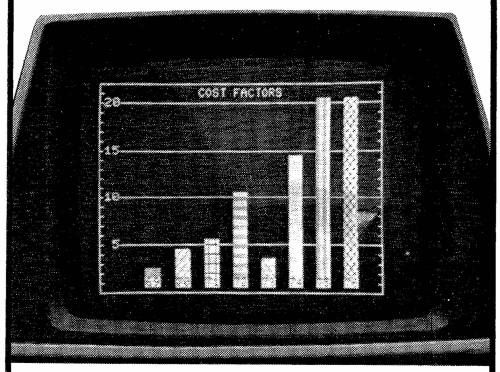
A user-controllable port consisting of an 8-bit Alpha connector is also built-in for "do-it-yourself" attachments . . . such as a music synthesizer, speakers, a light controller . . . for fun and games.

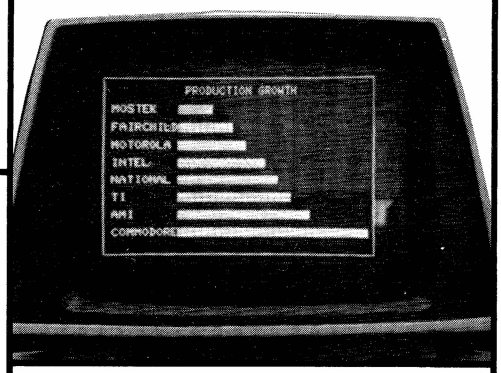
The Many Faces of the PET

Amortization Chart

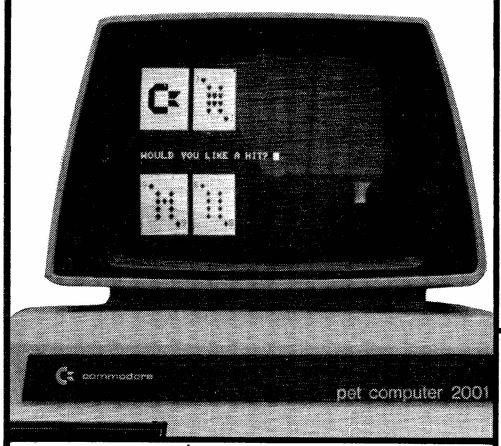


Bar Graphs

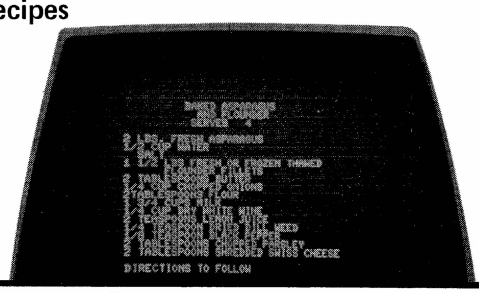




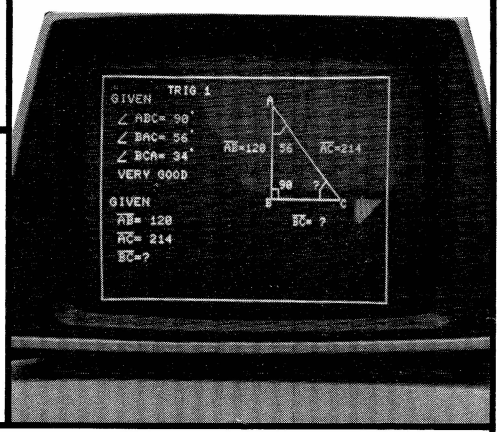
Black Jack



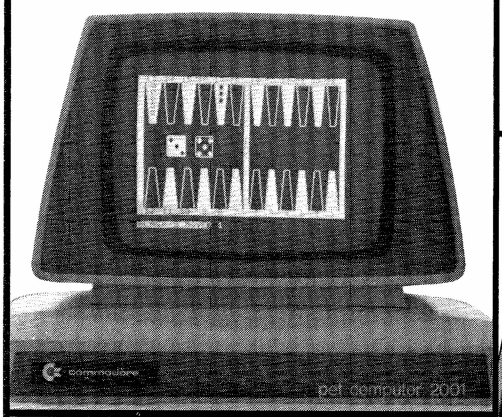
Recipes



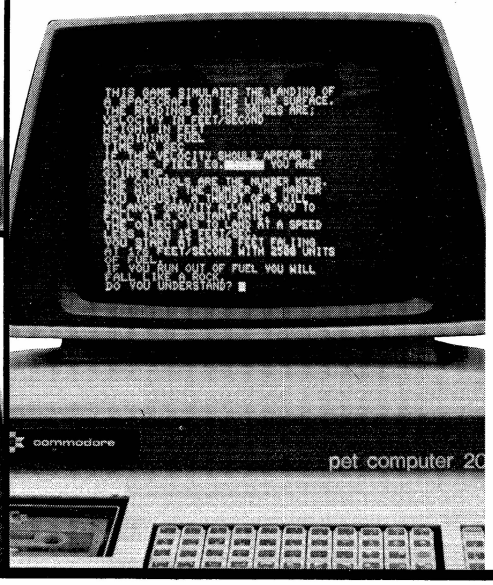
Teaching Trigonometry

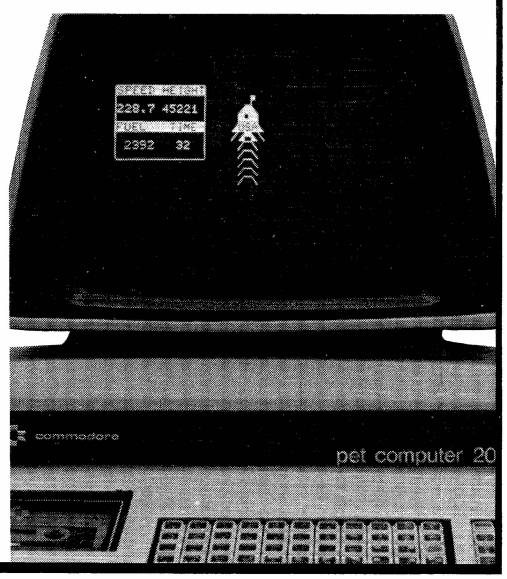


Backgammon

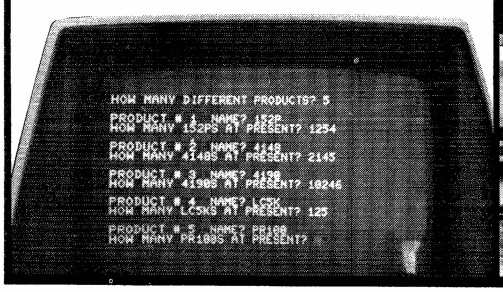


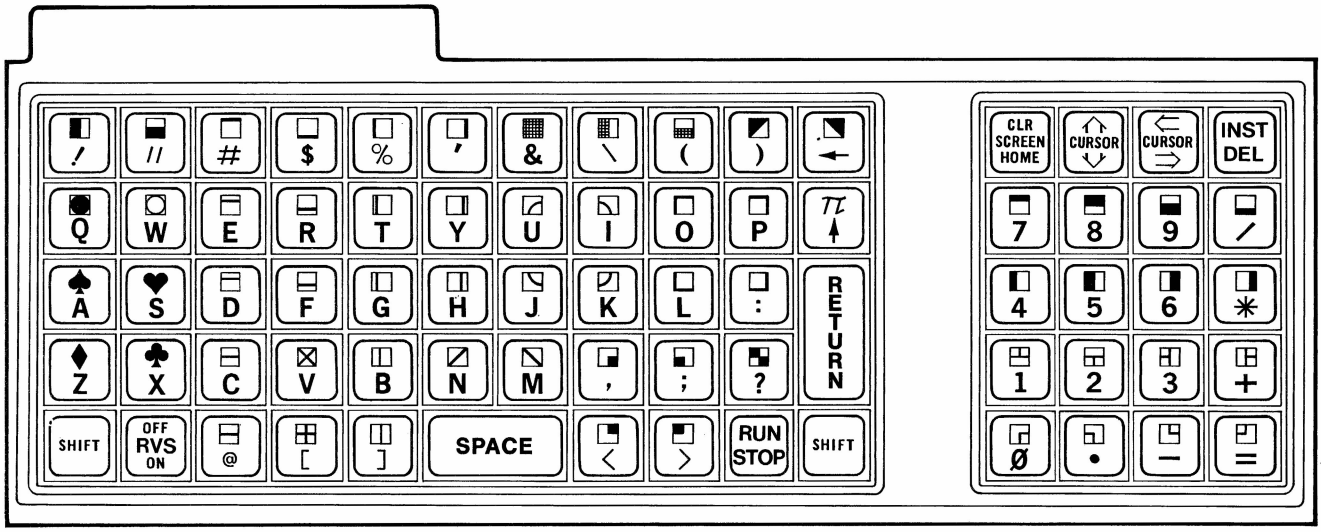
Moon Landing





Inventory Control


HOW MANY DIFFERENT PRODUCTS? 5
PRODUCT # 1 NAME? 1256
HOW MANY 1256S AT PRESENT? 1254
PRODUCT # 2 NAME? 4148
HOW MANY 4148S AT PRESENT? 2145
PRODUCT # 3 NAME? 4198
HOW MANY 4198S AT PRESENT? 10246
PRODUCT # 4 NAME? LC5K
HOW MANY LC5KS AT PRESENT? 125
PRODUCT # 5 NAME? PR10S
HOW MANY PR10S AT PRESENT?



the PET keyboard

The PET keyboard consists of 73 keys. There are the usual alphanumerics (A-Z and 0-9) found on typewriters and calculators and many computers.

But the PET has something more: 63 graphic characters. The graphics can be used for plots, for fun and games, or for artwork.

There are also special screen and keyboard control keys including the complete movement of the cursor, reversing the characters and background, insertion and deletion of characters, shift and run/stop.

specifications

Dimensions: 16½" wide by 18½" deep
14" overall height
Weight: 44 lbs.

MEMORY

Random Access Memory (user memory): 4K (or 8K optional), expandable to 32K bytes

Read Only Memory (operating system resident in the computer): 14K bytes
8K—BASIC interpreter
4K—Operating system
1K—Diagnostic routine
1K—Machine language monitor

VIDEO DISPLAY UNIT

9" enclosed, black and white, high-resolution CRT
1000 character display, arranged 40 columns by 25 lines
8 x 8 dot matrix for characters and continuous graphics
Automatic scrolling from bottom of screen
Winking cursor with full motion control
Reverse field on all characters (white on black or black on white)
64 standard ASCII characters; 64 graphic characters

KEYBOARD

9½" wide x 3" deep; 73 keys
All 64 ASCII characters available without shift. Calculator style numeric key pad
All 64 graphic and reverse field characters accessible from keyboard (with shift)
Screen Control: Clear and erase
Editing: Character insertion and deletion

CASSETTE STORAGE

Fast Commodore designed redundant-recording scheme, assuring reliable data recovery
Cassette drive modified by Commodore for much higher reliability of recording and record retention
High noise immunity, error detection, and correction
Uses standard audio cassette tapes
Tape files, named

OPERATING SYSTEM

Supports multiple languages (BASIC resident)
Machine language accessibility
File management in operating system
Cursor control, reverse field, and graphics under simple BASIC control
Cassette file management from BASIC
True random number generation or pseudo random sequence

INPUT/OUTPUT

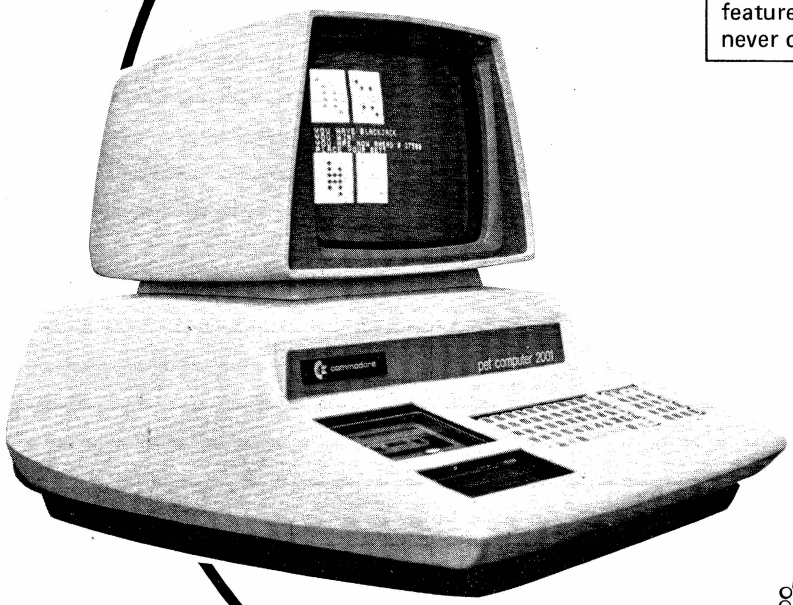
All other I/O supported through IEEE-488 instrument interface which allows for multiple intelligent peripherals
All I/O automatically managed by operating system software
Single character I/O with GET command
Easy screen line-edit capability
Flexible I/O structure allows for BASIC expansion with intelligent peripherals

BASIC INTERPRETER

Expanded 8K BASIC; 20% faster than most other 8K BASICS
Upward expansion from current popular BASIC language
Strings, integers and multiple dimension arrays
High precision (10 significant digits)
Direct memory access through PEEK and POKE commands

commodore

The Commodore has always been the first to offer new developments and value in personal MOS/LSI electronics, beginning with the very earliest business and consumer electronic calculators. Today the Commodore has one of the very few vertically integrated companies, designing and producing its own LSI chips and microprocessors, LED and LCD displays, and then assembling the final products. The Commodore is a firm believer in investing in product development and research. His record for product innovation testifies to that fact. But he also believes in exercising tight controls and in maximum efficiency. And he has always passed on the savings to the consumer by offering more features and quality for less money. He will never change his policy.



Personal Computer

PET

Personal Electronic Transactor
Model 2001

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